

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
 NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
 NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency
 NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
 NEWS 6 Mar 08 Gene Names now available in BIOSIS
 NEWS 7 Mar 22 TOXLIT no longer available
 NEWS 8 Mar 22 TRCTHERMO no longer available
 NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS and USPATFULL
 NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
 NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
 NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
 NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
 NEWS 14 Apr 09 ZDB will be removed from STN
 NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
 NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
 NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
 NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
 NEWS 19 Jun 03 New e-mail delivery for search results now available
 NEWS 20 Jun 10 MEDLINE Reload
 NEWS 21 Jun 10 PCTFULL has been reloaded

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
 CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
 AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:42:35 ON 30 JUN 2002

=>
=>
=>

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'HOME' AT 15:49:50 ON 30 JUN 2002
 FILE 'HOME' ENTERED AT 15:49:50 ON 30 JUN 2002

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.52	2.52

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	2.52	2.52

FILE 'REGISTRY' ENTERED AT 15:49:57 ON 30 JUN 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 28 JUN 2002 HIGHEST RN 435268-39-6
 DICTIONARY FILE UPDATES: 28 JUN 2002 HIGHEST RN 435268-39-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
 for more information. See STN Note 27, Searching Properties in the CAS
 Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

L1 STRUCTURE UPLOADED

=> s 11

SAMPLE SEARCH INITIATED 15:53:56 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 7056 TO ITERATE

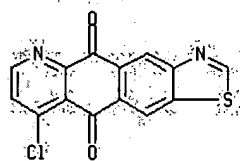
14.2% PROCESSED 1000 ITERATIONS 14 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 136089 TO 146151
 PROJECTED ANSWERS: 1379 TO 2571

L2 14 SEA SSS SAM L1

=> d 12

L2 ANSWER 1 OF 14 REGISTRY COPYRIGHT 2002 ACS
 RN 406937-09-5 REGISTRY
 CN Benzothiazolo[6,5-g]quinoline-5,10-dione, 9-chloro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H5 Cl N2 O2 S
 SR CA
 LC STN Files: CA, CAPLUS

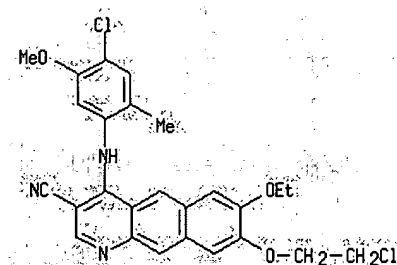


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> d 12 2-14

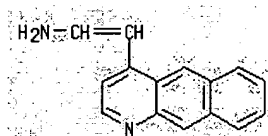
L2 ANSWER 2 OF 14 REGISTRY COPYRIGHT 2002 ACS
 RN 348618-88-2 REGISTRY
 CN Benzo[g]quinoline-3-carbonitrile, 8-(2-chloroethoxy)-4-[(4-chloro-5-methoxy-2-methylphenyl)amino]-7-ethoxy- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C26 H23 Cl2 N3 O3
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

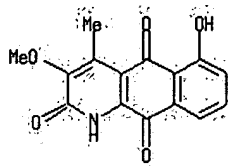
L2 ANSWER 3 OF 14 REGISTRY COPYRIGHT 2002 ACS
 RN 260246-67-1 REGISTRY
 CN Ethenamine, 2-benzo[g]quinolin-4-yl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H12 N2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

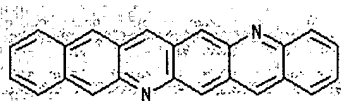
L2 ANSWER 4 OF 14 REGISTRY COPYRIGHT 2002 ACS
 RN 249285-60-7 REGISTRY
 CN Benzo[g]quinoline-2,5,10(1H)-trione, 6-hydroxy-3-methoxy-4-methyl- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Marcanine D
 FS 3D CONCORD
 MF C15 H11 N O5
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

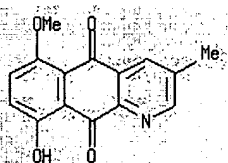
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 5 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 225389-24-2 REGISTRY
CN Benzo[b]quino[3,2-i]acridine (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H14 N2
CI RPS
SR CA Index Guide or Ring Systems Handbook



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

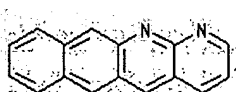
L2 ANSWER 6 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 216491-00-8 REGISTRY
CN Benzo[g]quinoline-5,10-dione, 9-hydroxy-6-methoxy-3-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H11 N O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

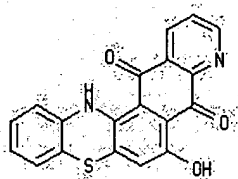
L2 ANSWER 7 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 175009-89-9 REGISTRY
CN Naphtho[2,3-b][1,8]naphthyridine (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H10 N2
CI RPS
SR CA Index Guide or Ring Systems Handbook
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

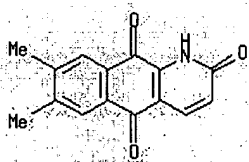
L2 ANSWER 8 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 168026-99-1 REGISTRY
CN 5H-Quino[6,7-a]phenothiazine-5,14(13H)-dione, 6-hydroxy- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H10 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 9 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 161617-74-9 REGISTRY
CN Benzo[g]quinoline-2,5,10(1H)-trione, 7,8-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H11 N O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT

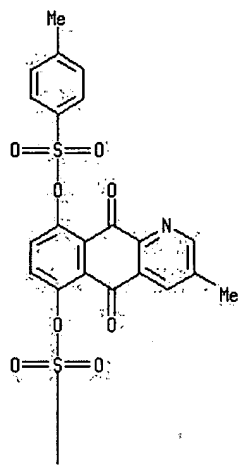


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

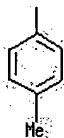
2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 10 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 107846-48-0 REGISTRY
CN Benzo[g]quinoline-5,10-dione, 3-methyl-6,9-bis[[4-methylphenyl)sulfonyl]oxy]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C28 H21 N O8 S2
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

PAGE 1-A



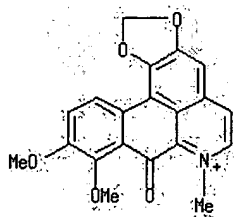
PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

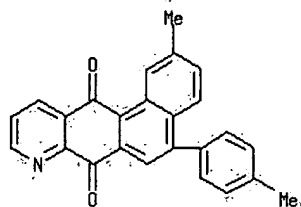
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 11 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 81255-04-1 REGISTRY
CN 8H-Benzo[g]-1,3-benzodioxolo[6,5,4-de]quinolinium, 9,10-dimethoxy-7-methyl-8-oxo- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Uthongine
FS 3D CONCORD
MF C20 H16 N O5
LC STN Files: CA, CAPLUS, NAPRALERT



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

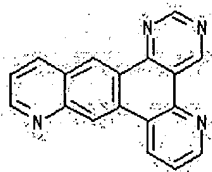
L2 ANSWER 12 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 80554-94-5 REGISTRY
CN Naphtho[1,2-g]quinoline-7,12-dione, 2-methyl-5-(4-methylphenyl)- (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C25 H17 N O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

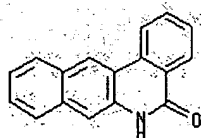
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 13 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 4384-55-8 REGISTRY
CN Pyrido[2,3-f]quino[7,6-h]quinazoline (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,3,5,10-Tetraazadibenz[a,c]anthracene
FS 3D CONCORD
MF C18 H10 N4
CI RPS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 14 OF 14 REGISTRY COPYRIGHT 2002 ACS
RN 2178-32-7 REGISTRY
CN Benzo[b]phenanthridin-5(6H)-one (7CI, 8CI, 9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H11 N O
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

12 REFERENCES IN FILE CA (1967 TO DATE)
12 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

L3 STRUCTURE UPLOADED

=> s 13

SAMPLE SEARCH INITIATED 16:04:55 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 82 TO ITERATE

100.0% PROCESSED 82 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 1097 TO 2183
 PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=>

L5 STRUCTURE UPLOADED

=> s 15

SAMPLE SEARCH INITIATED 16:05:56 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 82 TO ITERATE

100.0% PROCESSED 82 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 1097 TO 2183
 PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=>

L7 STRUCTURE UPLOADED

=> s 17

SAMPLE SEARCH INITIATED 16:09:09 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 82 TO ITERATE

100.0% PROCESSED 82 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 1097 TO 2183
 PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s 17 full

FULL SEARCH INITIATED 16:09:20 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 1794 TO ITERATE

100.0% PROCESSED 1794 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L9 0 SEA SSS FUL L7

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	174.56	177.08

FILE 'CAPLUS' ENTERED AT 16:09:58 ON 30 JUN 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available

for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 30 Jun 2002 VOL 137 ISS 1
FILE LAST UPDATED: 28 Jun 2002 (20020628/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	4.36	181.44

FILE 'CAPLUS' ENTERED AT 16:16:25 ON 30 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 30 Jun 2002 VOL 137 ISS 1
FILE LAST UPDATED: 28 Jun 2002 (20020628/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.40	181.84

FILE 'REGISTRY' ENTERED AT 16:16:37 ON 30 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 28 JUN 2002 HIGHEST RN 435268-39-6
DICTIONARY FILE UPDATES: 28 JUN 2002 HIGHEST RN 435268-39-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 175009-89-9/rn

L10 1 175009-89-9/RN

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.38

182.22

FILE 'CAPLUS' ENTERED AT 16:17:10 ON 30 JUN 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 30 Jun 2002 VOL 137 ISS 1

FILE LAST UPDATED: 28 Jun 2002 (20020628/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l10 and (dye or indicator or indicating or color?)

1 L10

217058 DYE

173990 DYES

283131 DYE

(DYE OR DYES)

109144 INDICATOR

48712 INDICATORS

142855 INDICATOR

(INDICATOR OR INDICATORS)

316042 INDICATING

3 INDICATINGS

316045 INDICATING

(INDICATING OR INDICATINGS)

566633 COLOR?

L11 0 L10 AND (DYE OR INDICATOR OR INDICATING OR COLOR?)

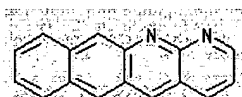
=> s l10

L12 1 L10

=> d 110

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN 175009-89-9 REGISTRY
 CN Naphtho[2,3-b][1,8]naphthyridine (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H10 N2
 CI RPS
 SR CA Index Guide or Ring Systems Handbook
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> d 112

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

	Full Text	Citing References
AN	2000:311273	CAPLUS
DN	133:30423	
TI	Studies on the 1,4-oxazepine ring formation reaction using the molecular orbital method	
AU	Matsuzaki, Hisao; Takeuchi, Isao; Hamada, Yoshiki; Hatano, Keiichiro	
CS	Tohoku Pharmaceutical University, Sendai, 981-8558, Japan	
SO	Chemical & Pharmaceutical Bulletin (2000), 48(5), 755-756	
	CODEN: CPBTAL; ISSN: 0009-2363	
PB	Pharmaceutical Society of Japan	
DT	Journal	
LA	English	
RE.CNT	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
		ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.54	193.63

FILE 'CAPLUS' ENTERED AT 16:20:27 ON 30 JUN 2002
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is

strictly prohibited.

FILE COVERS 1907 - 30 Jun 2002 VOL 137 ISS 1
FILE LAST UPDATED: 28 Jun 2002 (20020628/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> s 216491-00-8/rn
      1 216491-00-8
      0 216491-00-8D
L13   1 216491-00-8/RN
      (216491-00-8 (NOTL) 216491-00-8D )
```

```
=> file reg
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          3.65      197.28
```

FILE 'REGISTRY' ENTERED AT 16:20:42 ON 30 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 28 JUN 2002 HIGHEST RN 435268-39-6
DICTIONARY FILE UPDATES: 28 JUN 2002 HIGHEST RN 435268-39-6

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

```
=> s 216491-00-8/rn
L14   1 216491-00-8/RN
```

```
=> s 80554-94-5/rn
L15   1 80554-94-5/RN
```

```
=> file caplus
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          0.38      197.66
```

FILE 'CAPLUS' ENTERED AT 16:21:05 ON 30 JUN 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 30 Jun 2002 VOL 137 ISS 1
FILE LAST UPDATED: 28 Jun 2002 (20020628/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l15

L16 1 L15

=> d his

(FILE 'HOME' ENTERED AT 15:42:35 ON 30 JUN 2002)

FILE 'REGISTRY' ENTERED AT 15:49:57 ON 30 JUN 2002

L1 STRUCTURE UPLOADED
L2 14 S L1
L3 STRUCTURE UPLOADED
L4 0 S L3
L5 STRUCTURE UPLOADED
L6 0 S L5
L7 STRUCTURE UPLOADED
L8 0 S L7
L9 0 S L7 FULL

FILE 'CAPLUS' ENTERED AT 16:09:58 ON 30 JUN 2002

FILE 'CAPLUS' ENTERED AT 16:16:25 ON 30 JUN 2002

FILE 'REGISTRY' ENTERED AT 16:16:37 ON 30 JUN 2002

L10 1 S 175009-89-9/RN

FILE 'CAPLUS' ENTERED AT 16:17:10 ON 30 JUN 2002

L11 0 S L10 AND (DYE OR INDICATOR OR INDICATING OR COLOR?)
L12 1 S L10

FILE 'REGISTRY' ENTERED AT 16:17:53 ON 30 JUN 2002

FILE 'CAPLUS' ENTERED AT 16:17:53 ON 30 JUN 2002

FILE 'CAPLUS' ENTERED AT 16:20:27 ON 30 JUN 2002

L13 1 S 216491-00-8/RN

FILE 'REGISTRY' ENTERED AT 16:20:42 ON 30 JUN 2002

L14 1 S 216491-00-8/RN
L15 1 S 80554-94-5/RN

FILE 'CAPLUS' ENTERED AT 16:21:05 ON 30 JUN 2002

L16 1 S L15

=> s (l14 or l15) and (dye or indicator or indicating or color?)

1 L14
1 L15
217058 DYE
173990 DYES

283131 DYE

(DYE OR DYES)

109144 INDICATOR

48712 INDICATORS

142855 INDICATOR

(INDICATOR OR INDICATORS)

316042 INDICATING

3 INDICATINGS

316045 INDICATING

(INDICATING OR INDICATINGS)

566633 COLOR?

L17 0 (L14 OR L15) AND (DYE OR INDICATOR OR INDICATING OR COLOR?)

=>

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS
 AN 1978:104358 CAPLUS
 DN 88:104358
 TI The photochemical reverse reaction of photochromic o-nitrobenzylpyridines
 AU Klemm, Dieter; Klemm, Elisabeth
 CS Sekt. Chem., Friedrich-Schiller-Univ., Jena, E. Ger.
 SO Z. Phys. Chem. (Leipzig) (1977), 258(6), 1179-82
 CODEN: ZPCLAH; ISSN: 0372-9680
 DT Journal
 LA German
 CC 22-4 (Physical Organic Chemistry)
 GI For diagram(s), see printed CA Issue.
 AB Irradn. (365 nm) of I (R = H, Cl, Me; R1 = H, Me, Br, etc., R2 = H, Me)
 gives a reversible **color** change of **colorless**, via
 yellow to blue; the **colored** form possesses a polymethine
 character (II; R, R1, R2 as above). Inadn. (556 nm) of II yields
 the **colorless** form (I).
 ST photoreaction photochromic nitrobenzylpyridine; pyridine nitrobenzyl
 photoreaction photochromic
 IT Photochemistry
 (of nitrobenzylpyridine)
 IT Photochromism
 (of nitrobenzylpyridine, photo reactions in relation to)
 IT 25927-45-1 58294-08-9 58294-09-0 **58294-10-3** 58294-11-4
 58294-12-5 65838-94-0
 RL: RCT (Reactant)
 (photochem. reaction of, photochromism in relation to)